ABSTRACT OF THE DISCLOSURE

A method for time-based synchronization of multiple media streams transmitted over a communications network, such as the Internet, by multiple, independent streaming media sources. First and second media streams of data

5 packets are received from first and second media sources. Timing data is parsed from the two media streams, and first and second transmission delay values are determined by comparing the timing data with a reference time. A synchronized media stream is created by combining the first and second media streams into a time-synchronized media stream with adjustments to correct for calculated

10 transmission delay values. Feedback signals are sent to the media sources to control transmission variables such as stream length, transmission rate, and transmittal time to manage the variable delay at the media source. The first and second media streams are decoded into intermediate media streams compatibly formatted to allow mixing of the streams and data packets.

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